



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Roderick J. Scott
Serial No. : 10/058,825
Filed : January 30, 2002
Title : MODIFIED PLANTS

Art Unit : 1638
Examiner : Stuart F. Baum
Conf. No. : 2437

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

This statement is being filed after a first Office action on the merits, but before receipt of a final Office action or a Notice of Allowance. A check for \$180 in payment of the late submission fee of §1.17(p) is enclosed. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: July 27, 2006

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Substitute Form PTO-1449
(Modified)U.S. Department of Commerce
Patent and Trademark OfficeAttorney's Docket No.
11696-067001Application No.
10/058,825**Information Disclosure Statement
by Applicant**

(Use several sheets if necessary)

Applicant
Roderick J. ScottFiling Date
January 30, 2002Group Art Unit
1638**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AC	GenBank Accession No. L10692, dated July 26, 1993
	AD	GenBank Accession No. AJ002140, dated April 15, 2005
	AE	GenBank Accession No. AF007807, dated February 19, 1998
	AF	GenBank Accession No. AF034419, dated March 2, 1998
	AG	Office Action received in U.S. Application Serial No. 10/966,482 dated 04/24/06, 24 pages
	AH	Bernacchia et al. "Carrot DNA-methyltransferase is encoded by two classes of genes with differing patterns of expression" <u>The Plant Journal</u> , 1998, 13(3):317-329
	AI	Bestor and Verdine, "DNA methyltransferases" <u>Current Opinion in Cell Biology</u> , 1994, 6:380-389
	AJ	Bolitho et al., "Antisense apple ACC-oxidase RNA reduces ethylene production in transgenic tomato fruit" <u>Plant Science</u> , 1997, 122:91-99
	AK	Bourque "Antisense strategies for genetic manipulations in plants" <u>Plant Science</u> , 1995, 105:125-149
	AL	Carron et al., "Genetic modification of condensed tannin biosynthesis in <i>Lotus corniculatus</i> .1. Heterologous antisense dihydroflavonol reductase down-regulates tannin accumulation in "hairy root" cultures"
	AM	Colliver et al., "Differential modification of flavonoid biosynthesis with an antisense chalcone synthase construct in transgenic <i>Lotus corniculatus</i> " <u>Plant Molecular Biology</u> , 1997, 35:509-522
	AN	Einset "Differential expression of antisense in regenerated tobacco plants transformed with an antisense version of a tomato ACC oxidase gene" <u>Plant Cell</u> , 1996, 46:137-141
	AO	Elkind et al. "Abnormal plant development and down-regulation of phenylpropanoid biosynthesis in transgenic tobacco containing a heterologous phenylalanine ammonia-lyase gene" <u>PNAS</u> , 1990, 87:9057-9061
	AP	Elomaa et al. "Transformation of antisense constructs of the chalcone synthase gene superfamily into <i>Gerbera hybrida</i> : differential effect on the expression of family members" <u>Molecular Breeding</u> , 1996, 2:41-50
	AQ	Faske et al. "Transgenic tobacco plants expressing pea chloroplast <i>Nmdh</i> cDNA in sense and antisense orientation" <u>Plant Physiol.</u> , 1997, 115:705-715

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 11696-067001	Application No. 10/058,825
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Roderick J. Scott	
		Filing Date January 30, 2002	Group Art Unit 1638

(37 CFR §1.98(b))

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AR	Finnegan et al. "DNA Methylation in plants" <u>Annu. Rev. Plant Physiol. Plant Mol. Biol.</u> , 1998, 49:223-247
	AS	Goll and Bestor "Eukaryotic cytosine methyltransferases" <u>Annu. Rev. Biochem.</u> , 2005, 74:481-514
	AT	Herbik et al. "Isolation, characterization and cDNA cloning of nicotianamine synthase from barley" <u>Eur. J. Biochem.</u> , 1999, 265:231-239
	AU	Hibino et al. "Increase of cinnamaldehyde groups in lignin of transgenic tobacco plants carrying an antisense gene for cinnamyl alcohol dehydrogenase" <u>Biosci. Biotech. Biochem.</u> , 1995, 59(5):929-931
	AV	Jacobsen and Meyerowitz "Hypermethylated <i>SUPERMAN</i> epigenetic alleles in <i>Arabidopsis</i> " <u>Science</u> , 277:1100-1103
	AW	Li et al., "An ARGONAUTE4-containing nuclear processing center colocalized with cajal bodies in <i>Arabidopsis Thaliana</i> " <u>Cell</u> , 2006, 126:93-106
	AX	Myers and Dean "Sensible use of antisense: how to use oligonucleotides as research tools" <u>TIPS</u> , January 2000, 21:19-23
	AY	Oliver et al. "Inhibition of tobacco NADH-hydroxypyruvate reductase by expression of a heterologous antisense RNA derived from a cucumber cDNA: Implications for the mechanism of action of antisense RNAs" <u>Mol. Gen. Genet.</u> , 1993, 239:425-434
	AZ	Ponger and Li "Evolutionary diversification of DNA methyltransferases in eukaryotic genomes" <u>Molecular Biology and Evolution</u> , 2005, 22:1119-1128
	AAA	Pontes et al. "The <i>Arabidopsis</i> chromatin-modifying nuclear siRNA pathway involves a nucleolar RNA processing center" <u>Cell</u> , 2006 126:79-92
	ABB	Salehuzzaman et al. "Isolation and characterization of a cDNA encoding granule-bound starch synthase in cassava (<i>Manihot esculenta</i> Crantz) and its antisense expression in potato" <u>Plant Molecular Biology</u> , 1993, 23:947-962
	ACC	Temple et al. "Modulation of glutamine synthetase gene expression in tobacco by the introduction of an alfalfa glutamine synthetase gene in sense and antisense orientation: molecular and biochemical analysis" <u>Mol. Gen. Genet.</u> , 1993, 236:315-325
	ADD	Trevanion et al. "NADP-Malate dehydrogenase in the C ₄ plant <i>Flaveria bidentis</i> " <u>Plant Physiol.</u> , 1997, 113:1153-1165
	AEE	Van der Krol et al. "An anti-sense chalcone synthase gene in transgenic plants inhibits flower pigmentation" <u>Nature</u> , 1988, 333:866-869
	AFF	Veena et al. "Glyoxalase I from <i>Brassica juncea</i> : molecular cloning, regulation and its over-expression confer tolerance in transgenic tobacco under stress" <u>The Plant Journal</u> , 1999, 17(4):385-395
	AGG	Visser et al. "Inhibition of the expression of the gene for granule-bound starch synthase in potato by antisense constructs" <u>Mol. Gen. Genet.</u> , 1991, 225:289-296
	AHH	

Examiner Signature	Date Considered
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Substitute Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney's Docket No.

11696-067001

Application No.

10/058,825

Information Disclosure Statement

by Applicant

(Use several sheets if necessary)

Applicant

Roderick J. Scott

Filing Date

January 30, 2002

Group Art Unit

1638

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,011,200	01/04/00	Dellaporta et al.	800	285	07/30/97
	AB	6,444,469	09/03/02	Dellaporta et al.	435	468	09/22/99

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AC	Bushell et al., "The Basis of Natural and Artificial Postzygotic Hybridization Barriers in Arabidopsis Species," <u>The Plant Cell</u> , 15:1430-1442 (2003)
	AD	Finnegan, E.J. and E.S. Dennis, "Isolation and identification by sequence homology of a putative cytosine methyltransferase from Arabidopsis thaliana," <u>Nucleic Acids Research</u> 21(10): 2383-2388 (1993)
	AE	Kinoshita et al., "Polycomb Repression of Flowering During Early Plant Development," <u>Proc. Natl. Acad. Sci. USA</u> , 98(24):14156-14161 (2001)
	AF	Liu et al., "Multiple Domains are Involved in the Targeting of the Mouse DNA Methyltransferase to the DNA Replication Foci," <u>Nucleic Acids Research</u> , 26(4):1038-1045 (1998)
	AG	Luo et al., "Expression and Parent-of-Origin Effects for FIS2, MEA, and FIE in the Endosperm and Embryo of Developing Arabidopsis Seeds," <u>Proc. Natl. Acad. Sci. USA</u> 97(19):10637-10642 (2000)
	AH	Merlo et al., "Ribozymes Targeted to Stearoyl-ACP $\Delta 9$ Desaturase mRNA Produce Heritable Increases of Stearic Acid in Transgenic Maize Leaves," <u>The Plant Cell</u> 10: 1603-1621 (1998)
	AI	Vikenoog et al., "Hypomethylation Promotes Autonomous Endosperm Development and Rescues Postfertilization Lethality in Fie Mutants," <u>The Plant Cell</u> , 12:2271-2282 (2000)
	AJ	Yang et al., "Ribozyme-mediated high resistance against potato spindle tuber viroid in transgenic potatoes," <u>Proc. Natl. Acad. Sci. USA</u> 94: 4861-4865 (1997)

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